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Amendments to the Specification:

Please replace paragraph [0001] beginning on page 1, line 2 with the following rewritten paragraph.

a1  
— This application is a continuation-in-part of U.S. Serial No. 09/716,836 filed November 20, 2000. The present invention relates to the control of an internal combustion engine. More specifically, the present invention relates to an encoded crank system that may be integrated seamlessly with multiple internal combustion engines having a plurality of cylinder configurations.

Please add the following new paragraph after paragraph [0020] ending on line 8 of page 5.

a2  
— In one embodiment of the present invention, the internal combustion engine includes an intake manifold for providing air to the internal combustion engine; a throttle plate controlling the flow of the air; a fuel injector introducing fuel into the air to form an air fuel mixture; at least one piston for combusting the air fuel mixture; a plurality of valves to control intake and exhaust of the at least one piston; a first camshaft having a plurality of lobes to actuate the exhaust valves; a sprocket coupled to the first cam shaft to drive the first cam shaft; a crankshaft to drive the sprocket.